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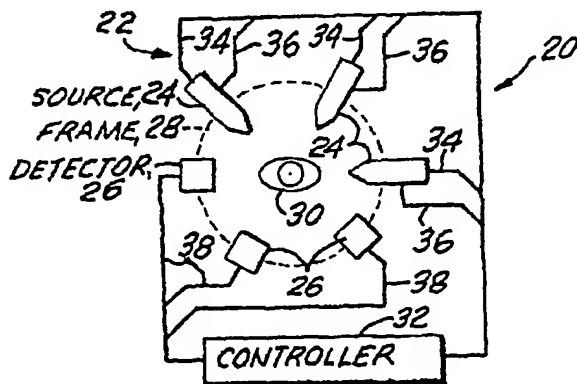
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(54) Title: SYSTEM AND METHOD FOR NONINVASIVE DIAGNOSTIC IMAGING



(57) Abstract: A modulated x-ray system and method provide various applications to increase medical diagnoses and treatment as well as non-medical scenarios. At low energy levels, it is used as a sophisticated medical diagnosis tool, localizing and imaging a variety of biological systems and conditions for further characterization, rather than for destruction. As a therapeutic device, it is used for directed treatment of infectious diseases, treatment of general medical diseases such as atherosclerosis and autoimmune diseases, and genetic therapy. In one embodiment, eliminating unwanted tissue anywhere in the body, effectively allows non-invasive surgery. In another embodiment, selective destruction/activation of specific cells allows for regeneration of cells and tissues, such as spinal cord regeneration.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61B 5/05 US CL : 600/407, 410, 425, 427, 436 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 600/407, 410, 425, 427, 436 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,310,352 B1 (GROSS et al) 30 October 2001 (30.10.2001), See entire document.	1-6, 8, 21-30, 52, 53, 64, 65, 76
A	US 5,578,709 A (WOISZWILLO) 26 November 1996 (26.11.1996), See entire document.	7, 9-20, 31-51, 54-63, 66-75
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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